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BESTCUT 193 EP SOLUBLE CONCENTRATE

A scientific development...an effective answer for cutting tools working under extreme pressure.

Bestcut 193 EP Soluble Concentrate's action is based on metal surface chemistry. This action effectively overcomes intense heat, rapid tool wear and inaccuracy problems arising from extreme cutting tool pressures and high cutting speeds, which cause fast chip movement across the tool face.

The extreme pressure agents cling so tightly, due to their natural affinity for the metal, that they continue to function at pressure as high as the deformation point of the metal itself. As chips are formed and forced across the tool cutting edge and chip control areas, the extreme pressure agents reduce the severe friction.

The total effect of this selective lubrication, plus water-cooling, permits finer finishes, prevents chip welds, preserves tool cutting edges and prolongs tool service life.

BESTCUT 193 EP SOLUBLE CONCENTRATE OFFERS THESE EXTRA ADVANTAGES:

Contains Broad Spectrum Bactericide – to help control rancidity for protection against skin irritation and bacterial infections.

Transparent Emulsion - makes a relatively clear, translucent cutting fluid and coolant that won't stain.

Prevents Rust - contains special inhibitors to protect finished work pieces against corrosion for several weeks, under normal indoor storage conditions.

Stabilized - the concentrate won't de-emulsify, even in storage at freezing temperatures. For easy dilution, it dissolves readily in untreated hard or soft water. In use, it has low foam when agitated.

BESTCUT 193 EP SOLUBLE CONCENTRATE – BENEFITS

- Extra Heavy Duty Service
- Produces Finer Finishes

- Increases Production Rates
- Very High Dilution Rates
- Rapid Emulsification
- Reduces Down Time
- Superior Emulsion Stability
- Lowers Overall Production Costs

RECOMMENDATION GUIDE - to establish the most economical formulations of BESTCUT 193 EP SOLUBLE CONCENTRATE in water, consult the following chart and take into consideration variations in tooling, cutting speeds and metal properties. In most cases, dilutions can be made greater than shown on the chart – after the user observes results of tool life and quality of finish.

<u>MACHINE TOOL OPERATION</u>	<u>LOW CARBON STEEL</u>	<u>ALLOW STEELS</u>
Boring, Broaching, Cutoff, Drilling, Hobbing, Milling, Slotting, Tapping, Turning, Threading	Use one part of Bestcut 193 EP Soluble Conc. with 50 – 70 parts of water	Use one part of Bestcut 193 EP Soluble Conc. with 40 – 50 part of water
GRINDING ** (including centerless)	Use one part of Bestcut 193 EP Soluble Concentrate to 100 parts of water.	

** Dilution can be varied to fit the operation and the desired rust protection. Finer wheels may be needed for finer finishes, due to lack of buildup.